

Why Can't We Use Our Own Stem Cells to Heal Our Bodies?

by Berkley Bedell, Foundation for Alternative and Integrative Medicine (www.faim.org)

Heart Disease

Within the category of cardiovascular disease, heart disease is the #1 most costly medical condition in the United States. Hypertension is #5 and cerebrovascular disease is #7.¹ The estimated direct and indirect cost of cardiovascular disease for 2010 was \$503.2 billion in the United States.² Approximately 27.1 million Americans suffer from cardiovascular disease with about 600,000 dying each year and about 770,000 new diagnosis annually.³

Cost savings comparing conventional treatment and the use of AASC for treatments such as intracardiac defibrillator implant and coronary bypass surgery are substantial. About 250,000 Americans each year have an automatic intracardiac defibrillator implanted, at the cost of about \$100,000 each.⁴ Coronary Artery Bypass Grafting (CABG) surgery averages \$56,241⁵. According to the American Heart Association's 2009 report on heart disease and stroke statistics, the average hospital charge for coronary artery bypass grafts(CABG) was \$99,743 in 2006 (totaling \$155,984). CABG yields only a small absolute survival benefit relative to medical therapy, and only in selected subgroups of patients.⁶ Pacemaker surgeries came in at \$47,081, with innovative PCI (percutaneous coronary inhibition) procedures averaging \$48,399 per operation. Diagnostic cardiac catheterization surgery was on the lower end of the scale at \$28,835 and is often used in addition to most cardiac treatments. Valve surgeries were \$141,120, on average. According to Transplant Living, the average total cost of a single heart transplant in 2007 was \$658,800.

AASC treatment for coronary issues in clinics abroad averages around \$20,000 offering the heart an opportunity to heal and avoid future costly events.⁷ The cost savings will have a range depending on the procedure but appears to range from 58% for a pace maker, for example, to 87% for CABG. When transplant surgery is avoided 97% is saved.

¹ Thorpe, Kenneth E., Curtis S. Florence, David H. Howard, and Peter Joski. "The Impact of Obesity on Rising Medical Spending". Health Affairs.

² American Heart Association. "Heart Disease and Stroke Statistics 2010 Update". Circulation.

³ www.americanheart.org/

⁴ Weisfeldt, Myron L., and Susan L. Zeiman. "Advances in the Prevention and Treatment of Cardiovascular Disease: One of the most important contributors to improved human survival is the treatment of cardiovascular disease". Health Affairs. Vol. 26, No. 1, pp. 25-37. [Permalink]

⁵ http://healthcarebluebook.com/page_Results.aspx?id=29&dataset=hosp&g=Coronary%20Bypass%20Surgery

⁶ Yusuf S, Zucker D, Peduzzi P, Fisher LD, Takaro T, Kennedy JW, et al. Effect of coronary artery bypass graft surgery on survival: overview of 10-year results from randomised trials by the Coronary Artery Bypass Graft Surgery Trialists Collaboration. Lancet. 1994;344:563-570[Medline]

⁷ See page 8 of original document (***Why Can't We Use Our Own Stem Cells to Heal Our Bodies?*** by Berkley Bedell, Foundation for Alternative and Integrative Medicine (www.faim.org))

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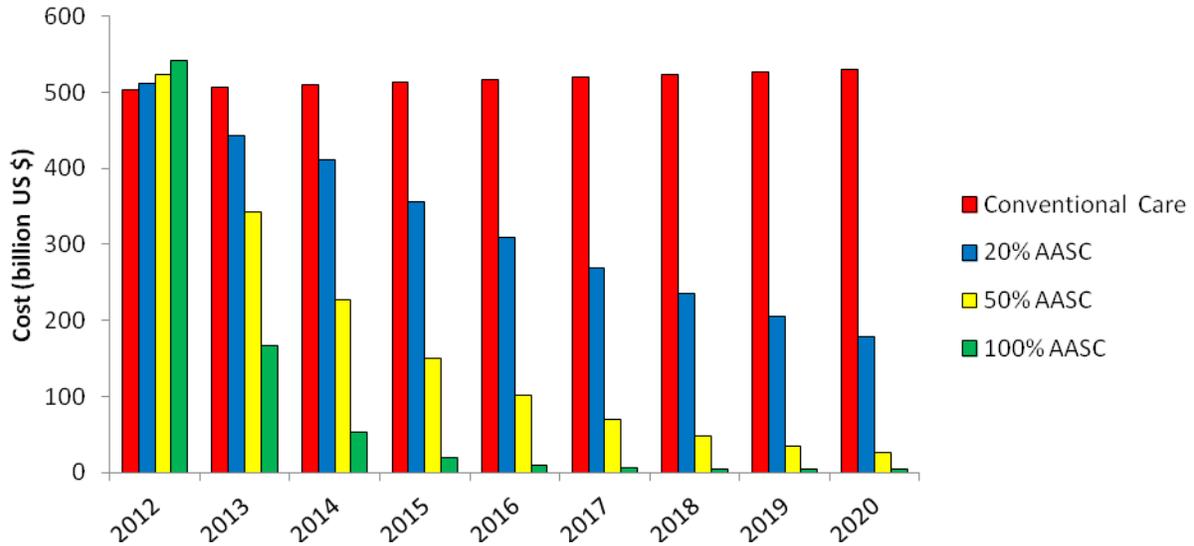
If 20% of the heart patients received AASC treatments(calculating an average over 9 years 2012 -2020)the savings would average \$192 billion dollars annually; 50% of the patients receiving AASC would represent an annual savings of \$348 billion; and if 100% of the patients received AASC the savings would be \$427 billion annually. (This is calculated using a cost of conventional treatment of \$18,600 per year (\$503.2 divided by 27.1 mill patients) and the cost of AASC treatment at \$20,000 and assuming an increase in diagnosis of 170,000 patients per year (770,000 new diagnosis less 600,000 deaths) and calculating for a 70% success rate with AASC).

One example of successful AASC therapy is a gentleman from Naples, Florida. He was told at the age of 41 there was nothing more conventional medicine could do for his heart disease. His ejection fraction was 24% (normal is 50% or greater). He received AASC therapy in Thailand 5 ½ years ago. After his treatment he had no more cardiac events and now his ejection fraction is 55%. He experienced resolution with one treatment. Not only is he living a normal life now, but has not been a burden on the health care system since his treatment. He is a productive taxpaying member of society, employing approximately 50 people in his restaurant.

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Cost of Heart Disease



Year	Conventional Care	20% receiving AASC	50% receiving AASC	100% receiving AASC
2012	503	512	523	542
2013	507	443	343	166
2014	510	412	226	53
2015	514	356	150	19
2016	517	309	101	9
2017	520	269	69	6
2018	523	235	48	5
2019	526	205	35	5
2020	529	179	26	5
total cost	4650	2919	1522	811

*all numbers in billion dollars

Calculated: conventional care \$18,600 per patient

AASC treatment \$20,000 per patient

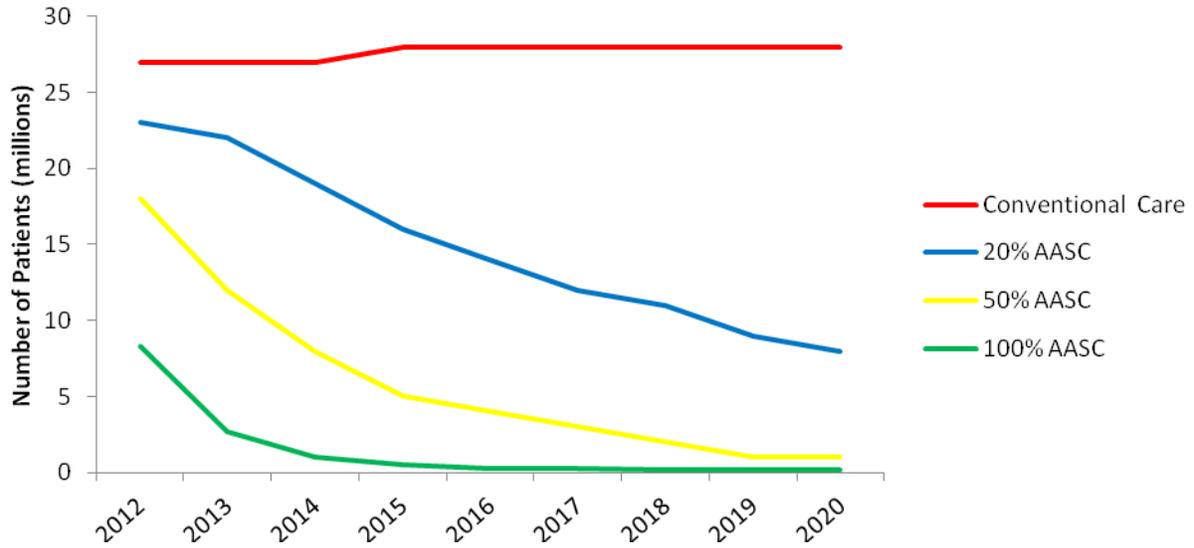
AASC success rate: 70%

Increase of 0.17 million cases per year

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of Heart Disease Patients



Year	Conventional Care	20% receiving AASC	50% receiving AASC	100% receiving AASC
2012	27	23	18	8.3
2013	27	22	12	2.7
2014	27	19	8	1.0
2015	28	16	5	0.5
2016	28	14	4	0.3
2017	28	12	3	0.3
2018	28	11	2	0.2
2019	28	9	1	0.2
2020	28	8	1	0.2

*all numbers in millions of patients

AASC success rate of 70%